



1-745  
PATENT  
Attorney Docket No. PRP  
(9265/2)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Unknown  
APPLICATION NO.: 10/053,341 GROUP NO.: Unknown  
FILING DATE: October 29, 2001 EXAMINER: Unknown  
TITLE: Recombinator for the Re-Acidification of an Electrolyte Stream in a  
Flowing Electrolyte Zinc-Bromine Battery

**CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8**

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 1<sup>st</sup> day of August, 2003.

  
Irja Zarembok

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Submitted herewith are:

Transmittal Form (1 pg.);  
Copy of an Associate Power of Attorney (3 pgs.); and  
Return Receipt Postcard.

RECEIVED  
AUG 07 2003  
GROUP 1700



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

ASSOCIATE POWER OF ATTORNEY

Sir:

An associate power of attorney is hereby granted to:

NAME	REG. NO.
Andrew F. Abramson	Reg. No.: P-52,538
Steven M. Bauer	Reg. No. 31,481
Mark L. Beloborodov	Reg. No. 50,773
John V. Bianco	Reg. No. 36,748
Robert S. Blasi	Reg. No. 50,389
Michael H. Brodowski	Reg. No. 41,640
Jennifer A. Camacho	Reg. No. 43,526
Joseph A. Capraro, Jr.	Reg. No. 36,471
Fangli Chen	Reg. No. P-51,551
Christopher H. Chung	Reg. No. 50,351
John J. Cotter	Reg. No. 38,116
Robert V. Donahoe	Reg. No. 46,667
Brian A. Fairchild	Reg. No. 48,645
Jason P. Fiorillo	Reg. No. P-52,892
John V. Forcier	Reg. No. 42,545
Steven J. Frank	Reg. No. 33,497
Kia L. Freeman	Reg. No. 47,577
Christopher J. Frerking	Reg. No. 42,557
Brian M. Gaff	Reg. No. 44,691
Jennifer E. Grant	Reg. No. 51,752
Duncan A. Greenhalgh	Reg. No. 38,678
William R. Haulbrook	Reg. No. 53,002
Ira Heffan	Reg. No. 41,059
Douglas J. Kline	Reg. No. 35,574
John D. Lanza	Reg. No. 40,060
Leigh J. Martinson	Reg. No. 50,749
William A. Meunier	Reg. No. 41,193
Thomas C. Meyers	Reg. No. 36,989
Ronda P. Moore	Reg. No. 44,244
Jeremy Oczek	Reg. No. 50,794
Jamie H. Rose	Reg. No. 45,054
Christopher W. Stamos	Reg. No. 35,370
Diana M. Steel	Reg. No. 43,153

RECEIVED  
AUG 07 2003  
GROUP 1700

Robert J. Tosti	Reg. No. 35,393
Thomas A. Turano	Reg. No. 35,722
Natasha C. Us	Reg. No. 44,381
Christine C. Vito	Reg. No. 39,061
Patrick R.H. Waller	Reg. No. 41,418
Daniel A. Wilson	Reg. No. 45,508
Gerald E. Worth	Reg. No. 45,238
Yin P. Zhang	Reg. No. 44,372
Stephanie M. Zierten	Reg. No. 52,397

in connection with the following patent applications:

TITLE	SERIAL NO.	FILING DATE
Submersible Electrolyte Circulation System	09/590,567	6/8/2000
Rib Spacing with Registration Point	09/667,387	9/22/2000
Electrochemical Cell With Manifold Device And Associated Method of Manufacture And Operation	09/667,386	9/22/2000
Module Battery Cell Stack Positioning System	09/675,084	9/28/2000
Charging/Floating Process For Zinc-Bromine Batteries	09/677,242	10/2/2000
Recombinator For The Re-Acidification Of An Electrolyte Stream In A Flowing Electrolyte Zinc-Bromine Battery	09/677,996	10/3/2000
Bipolar Plate And Method Of Manufacturing Same	09/721,569	11/22/2000
System And Method For Providing Electric Power	09/900,761	7/05/2001
Apparatus And Method For Independently Operating A Plurality Of AC Voltage Sources In Parallel	09/899,749	7/05/2001
Leak Sensor For Zinc/Bromine Batteries	09/899,523	7/05/2001
Recombinator For The Re-Acidification Of An Electrolyte Stream In A Flowing Electrolyte Zinc-Bromine Battery	10/053,341	10/29/2001
Charging System For Secondary Batteries	09/997,725	11/30/2001
Leak Sensor For Flowing Electrolyte Batteries	09/997,724	11/30/2001
Improved Recombinator For The Re-Acidification Of An Electrolyte Stream In A Flowing Electrolyte Zinc-Bromine Battery	10/017,918	12/13/2001
Features, Controls And Methods Relating To A Flowing Electrolyte Battery And Uninterruptible Power Source Employing A Flowing Electrolyte Battery	60/345,403	12/13/2001
System For Proclusion Of Electrical Shorting	10/038,044	1/3/2002
Capacitor Development	10/129,033	4/29/2002
Distribution System For Flowing Electrolyte Batteries	10/174,540	6/17/2002
Manifold For A Flowing Electrolyte Battery	10/174,537	6/17/2002
Improved Charging/Floating Process For Zinc Bromine Batteries	10/174,531	6/17/2002
Modified Surface Structure Of Electrode	10/174,545	6/17/2002
Device And Method For Controlling pH	10/174,539	6/17/2002
Method For The Prevention Of Species Migration In A Zinc/Bromine Battery Stack	10/174,536	6/17/2002
Frequency Generated Charging Procedure	10/174,530	6/17/2002
New Capacitor	60/165,865	11/16/1999

and in connection with the following issued U.S. Patents:

Patent No.	Inventor	Title	Issue Date
5,391,973	Tomazic	Method of Charging a Multiplicity of Batteries	Feb 21, 1995

5,436,087	Tomazic	Process for Reducing Unwanted Specific Electrochemical conversion in Rechargeable Batteries	Jul 25, 1995
5,459,390	Tomazic	Method of Determining the Charging of a ZnBr Battery and Method of Charging Such Battery	Oct 17, 1995
5,607,788	Tomazic	ZnBr Battery with Circulating Electrolytes	Mar 4, 1997
5,702,842	Tomazic	Process for Charging and Discharging ZnBr Batteries	Dec 30, 1997
5,716,733	Tomazic	Method for Producing a Non-Detachable, Fluid-tight, and Gas-tight Connection between a Plate Stack and a lateral Component of an Electrochemical Battery and For Spacing Electrode Plates, as Well as an Electrochemical Battery	Feb 10, 1998
6,455,187	Tomazic	Recombinator for the re-acidification of an electrolyte stream in a flowing electrolyte zinc-bromine battery	Sep 24, 2002

and in connection with the following registered trademarks and trademark applications:

Reg. Number	Registration Date	Application No.	Filing Date	Mark
2,101,817	Sept 30, 1997			ZINC-FLOW
2,121,994	Dec. 16, 1997			POWERBLOCK
2,189,543	Sept 15, 1998			WAVE
		75/838,910	Nov. 3, 1999	POWERTOWER
		75/927,399	Feb. 24, 2000	POWERCELL
		76/020,620	Apr 7, 2000	AMPS
		76/225,292	Mar 15, 2001	P-CELL
		75/838,909	Nov 3, 1999	STREAM OF BENEFITS
		76/025,245	Apr. 13, 2000	POWERTOWER

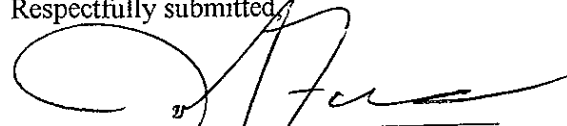
Please direct all future correspondence concerning the above-identified applications to:

Patent Administrator  
Testa, Hurwitz & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, MA 02110

Date: May 29, 2003

Tel. No.: (312) 226-1818

Respectfully submitted,

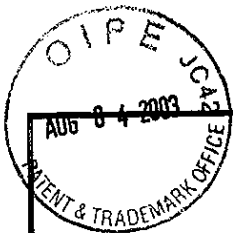


Jody Factor (Reg. No. 34,157)

Attorney for Applicants

Factor & Partners, LLC

1327 W. Washington Blvd. Ste. 5G/H  
Chicago, IL 60603



# TRANSMITTAL FORM

Application Serial Number	10/053,341
Filing Date	October 29, 2001
First Named Inventor	Unknown
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket No.	PRP
Patent No.	Not applicable
Issue Date	Not applicable

## ENCLOSURES (check all that apply)

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Check Attached<br><input type="checkbox"/> Copy of Fee Transmittal Form  | <input type="checkbox"/> Copy of Notice to File Missing Parts of Application  | <input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences     |
| <input type="checkbox"/> Amendment/Response<br><input type="checkbox"/> Preliminary<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets ____] | <input type="checkbox"/> Formal Drawing(s)  | <input type="checkbox"/> Appeal Brief (in triplicate)                                      |
| <input type="checkbox"/> Petition for Extension of Time  | <input type="checkbox"/> Request For Continued Examination (RCE) Transmittal  | <input type="checkbox"/> Status Inquiry  |
| <input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Form PTO-1449<br><input type="checkbox"/> Copies of IDS Citations  | <input checked="" type="checkbox"/> Associate Power of Attorney (3 pgs.)  | <input checked="" type="checkbox"/> Return Receipt Postcard                                |
| <input type="checkbox"/> Certified Copy of Priority Document(s)  | <input type="checkbox"/> Terminal Disclaimer  | <input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8 |
| <input type="checkbox"/> Sequence Listing submission<br><input type="checkbox"/> Paper Copy/CD<br><input type="checkbox"/> Computer Readable Copy<br><input type="checkbox"/> Statement verifying identity of above  | <input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application                        | <input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8         |
|  | <input type="checkbox"/> Small Entity Statement   | <input type="checkbox"/> Additional Enclosure(s) (please identify below)                   |
|  | <input type="checkbox"/> CD(s) for large table or computer program  |  |
|  | <input type="checkbox"/> Amendment After Allowance  |  |
|  | <input type="checkbox"/> Request for Certificate of Correction<br><input type="checkbox"/> Certificate of Correction (in duplicate) |  |

RECEIVED  
AUG 07 2003  
GROUP 1700

## CORRESPONDENCE ADDRESS

Direct all correspondence to: Patent Administrator  
Testa, Hurwitz & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, MA 02110  
Tel. No.: (617) 248-7000  
Fax No.: (617) 248-7100

## SIGNATURE BLOCK

Respectfully submitted,  
  
Date: August 1, 2003  
Reg. No. 50,389  
Tel. No.: (617) 248-7097  
Fax No.: (617) 248-7100  
Robert S. Blasi, Esq.  
Attorney for Applicant(s)  
Testa, Hurwitz & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, MA 02110